

PROPERTIES

COLOUR: 30-90 White

APPLICATION CONSISTENCY:
Trowel, glove, or airless spray.

SPECIFIC GRAVITY:
1.38 kg/l

AVERAGE SOLIDS:
71% by weight

COVERAGE RANGE:
(Subject to the nature of material being coated). Wet coverages shown below are for smooth non-porous surfaces. Porous or rough surfaces will require higher usage rates to attain required dry thickness.
2.4l/m² at 2.4mm wet thickness
1.6l/m² at 1.6mm wet thickness

DRYING TIME 23°C / 50% RH:
To Touch: 4 hours
Through: 24 hours

SERVICE TEMPERATURE LIMITS:
-29°C to 82°C

WATER VAPOR PERMEANCE:
ASTM E 96 Procedure B: 0.009/metric perms at 1.1mm (0.013 perms at 43 mils dry)
ASTM F 1249: 0.05 metric perms at 0.94mm (0.08 perms at 37 mils dry). Tested at 38°C and 90% RH.

WET FLAMMABILITY:
Flash point: None to boiling, 100°C.

SURFACE BURNING CHARACTERISTICS (AS1530.3.1989):
Ignitability Index: 11
Spread of Flame Index: 0
Heat Evolved Index: 3
Smoke Developed Index: 5
Applied to 6mm non-combustible substrate. The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single fire test method will not provide a full assessment of fire hazard under all fire conditions.

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FOSTER VAPOR-SAFE® MASTIC

FOSTER VAPOR-SAFE MASTIC is a high solids water base, fire resistive, flexible vapour barrier finish for most types of thermal insulation, including polystyrene foam. It may be used over dry concrete, finishing cement, and most metals.

VAPOR-SAFE MASTIC is non-flammable when wet and has a mild latex "paint type" odour. It is designed for heavy duty/industrial use on pipes, vessels, ducts, and equipment operating below ambient temperatures. It may also be used indoors.

VAPOR-SAFE MASTIC has the water resistance and low water vapour permeance normally found only in solvent based products. It can be used in high humidity environments, and greatly retards water vapour permeation.

VAPOR-SAFE MASTIC is ideal for vapour sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures. It is an excellent duct board closure sealant. Do not exceed 3.2mm wet film thickness.

VAPOR-SAFE MASTIC conforms with current USDA requirements regarding use in meat and poultry processing areas under federal inspection. Letter of certification is available upon request.

VAPOR-SAFE MASTIC contains no asbestos, lead, mercury, or mercury compounds.

LIMITATIONS
Store and apply between 4°C and 38°C, protect from freezing until dry.
To resist rain washoff, allow at least 8-12 hours drying time above 10°C, with a relative humidity of 50%. Higher humidity and/or lower temperature may retard drying.
Always select Vapor-Safe Mastic in the white color for use over Polystyrene on outdoor installations.
Always test foil and paper facings for acceptable adhesion before using.
Outdoor horizontal surfaces must always drain completely. A pitch of at least 4cm/m is recommended.
After long term outdoor exposure 30-90 may weather to an off-white color.

5/04

APPLICATION GUIDE FOR FOSTER VAPOR-SAFE® MASTIC 30-90

MATERIAL PREPARATION

DO NOT THIN. Apply only to clean, dry, oil free surfaces. Keep container closed when not in use. Stirring is usually not necessary.

APPLICATION

To prevent water vapour and moisture infiltration, proper and complete flashing is required. Follow flashing specifications.

HEAVY DUTY/INDUSTRIAL OUTDOOR

1. Apply a tack coat of Foster Vapor-Safe Mastic (color as selected) at 0.8l/m².
2. Embed Foster MAST-A-FAB white membrane into the wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least 5cm. Apply finish coat of Vapor-Safe Mastic, within 1/2 hour after the tack coat application, at 1.6l/m².
3. This application shall provide a minimum dry film thickness of 1.4mm.

Over cellular glass insulation, increase the coverage to 2.9l/m².

INDOOR AND LIGHT DUTY OUTDOOR

Apply as above except that the finish coat shall be 0.8l/m² and the minimum dry film thickness shall be 0.9mm.

MOISTURE BARRIER SEALER

1. Where required at all fittings and at specified intervals of straight-run pipe insulation, apply Foster Vapor-Safe Mastic at 1.6mm thick to all butt joints of pipe insulation and onto the bore of the insulation for a minimum of 5cm from the joint.
2. Position insulation, press firmly into place making certain that a complete unbroken seal is obtained.

TROWEL

Use clean steel trowel. Apply each coat in full thickness before initial set. Avoid excessive troweling.

BRUSH OR GLOVE

Use a good brush (suitable for water based paints), making strokes as long as possible over the surface. Apply with full brush and spread out evenly. Do not overwork.

SPRAY

Vapor-Safe Mastic may be airless spray applied. For spray equipment information, please consult Airless Spray Recommendations or contact your Spray Equipment Supplier. Average Viscosity Range: 100,000 -120,000 cps. Corrosion resistant pumps and fittings are suggested.

CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with hot soapy water (with ammonia added) or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).



CUSTOMER SERVICE — 1800 423 855

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

**For industrial use only. Keep out of reach of children.
Consult Material Safety Data Sheet and container label for further information.**